BRUHAT BANGALORE MAHANAGARA PALIKE

Asst.Executive Engineer, Shettyhalli Sub Division,

Name of Work Improvements of CC Roads in 3rd, 4th, 5th, 6th & 7th Cross Near Bylappa Circle At Prashanth Nagar in Ward No.13, Shettyhalli Sub Division.

Est Cost:50.00 Lakhs

Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Improvements of CC Roads in 3rd, 4th, 5th, 6th & 7th Cross Near Bylappa Circle At Prashanth Nagar in Ward No.13, Shettyhalli Sub Division. .

					Est .Cost Rs.50.00 Lakhs				
Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 142/ Item No. 19.1/ PWD SR 2016-17								
	4th Cross	cum	1	130.00	0.90	0.50	58.50		
	3rd Cross(Muthuraya Swamy Temple)		1	75.00	0.90	0.50	33.75		
	4thCross(Katumraya Swamy Temple)		1	72.00	0.90	0.50	32.40		
	5thCross(Katumraya Swamy Temple)		1	60.00	4.00	0.50	120.00		
	8th Cross		1	90.00	0.90	0.50	40.50		
	9th Cross		1	60.00	0.90	0.50	27.00		
	9th A Cross		1	55.00	0.90	0.50	24.75		
	9th B Cross		1	55.00	0.90	0.50	24.75		
	10th Cross		1	70.00	0.90	0.50	31.50		
	1st A Cross		1	33.00	0.90	0.50	14.85		
	1st B Cross		1	33.00	0.90	0.50	14.85		
	1st Main Road		1	35.00	0.90	0.50	15.75		
	6th Cross Dasarahalli Main Road		1	60.00	0.90	0.50	27.00		
	4th Cross		2	130.00	0.45	0.40	46.80		
	3rd Cross(Muthuraya Swamy Temple)		2	75.00	0.45	0.40	27.00		
	4thCross(Katumraya Swamy Temple)		2	72.00	0.45	0.40	25.92		
	5thCross(Katumraya Swamy Temple)		2	60.00	0.45	0.40	21.60		
	8th Cross		2	90.00	0.45	0.40	32.40		
	9th Cross		2	60.00	0.45	0.40	21.60		
	9th A Cross		2	55.00	0.45	0.40	19.80		
	9th B Cross		2	55.00	0.45	0.40	19.80		
	10th Cross		2	70.00	0.45	0.40	25.20		
	1st A Cross		2	33.00	0.45	0.40	11.88		
	1st B Cross		2	33.00	0.45	0.40	11.88		
	1st Main Road		2	35.00	0.45	0.40	12.60		
	6th Cross Dasarahalli Main Road		2	60.00	0.45	0.40	21.60		
	4th Cross		2	130.00	0.45	0.30	35.10		
	3rd Cross(Muthuraya Swamy Temple)		2	75.00	0.45	0.30	20.25		
	4thCross(Katumraya Swamy Temple)		2	72.00	0.45	0.30	19.44		
	5thCross(Katumraya Swamy Temple)		2	60.00	0.45	0.30	16.20		
	8th Cross		2	90.00	0.45	0.30	24.30		
	9th Cross		2	60.00	0.45	0.30	16.20		
	9th A Cross		2	55.00	0.45	0.30	14.85		
	9th B Cross		2	55.00	0.45	0.30	14.85		
	10th Cross		2	70.00	0.45	0.30	18.90		
	1st A Cross		2	33.00	0.45	0.30	8.91		

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	1st B Cross		2	33.00	0.45	0.30	8.91		
	1st Main Road		2	35.00	0.45	0.30	9.45		
	6th Cross Dasarahalli Main Road		2	60.00	0.45	0.30	16.20		
				3.00			**987.24**	**172.57**	**170368.01**
2	KSSRB M400-7 Construction Of granular sub -base by providing coarse graded cushed stone aggregates of granite / trap / basalt material speading in uniform layers with motor grader on prepared surface,mixing by mix in place method with rotavator at OMC,and compacting with vibratory roller to achive the desired density. complete asper specification. **By mix in place method for Grading II Material** KSSRB Page No 156 Item No 20.6 and 20.6.3								
	4th Cross	**Cum**	1	130.00	0.90	0.20	23.40		
	3rd Cross(Muthuraya Swamy Temple)		1	75.00	0.90	0.20	13.50		
	4thCross(Katumraya Swamy Temple)		1	72.00	0.90	0.20	12.96		
	5thCross(Katumraya Swamy Temple)		1	60.00	4.00	0.20	48.00		
	8th Cross		1	90.00	0.90	0.20	16.20		
	9th Cross		1	60.00	0.90	0.20	10.80		
	9th A Cross		1	55.00	0.90	0.20	9.90		
	9th B Cross		1	55.00	0.90	0.20	9.90		
	10th Cross		1	70.00	0.90	0.20	12.60		
	1st A Cross		1	33.00	0.90	0.20	5.94		
	1st B Cross		1	33.00	0.90	0.20	5.94		
	1st Main Road		1	35.00	0.90	0.20	6.30		
	6th Cross Dasarahalli Main Road		1	60.00	0.90	0.20	10.80		
	4th Cross		2	130.00	0.45	0.15	17.55		
	3rd Cross(Muthuraya Swamy Temple)		2	75.00	0.45	0.15	10.13		
	4thCross(Katumraya Swamy Temple)		2	72.00	0.45	0.15	9.72		
	5thCross(Katumraya Swamy Temple)		2	60.00	0.45	0.15	8.10		
	8th Cross		2	90.00	0.45	0.15	12.15		
	9th Cross		2	60.00	0.45	0.15	8.10		
	9th A Cross		2	55.00	0.45	0.15	7.43		
	9th B Cross		2	55.00	0.45	0.15	7.43		
	10th Cross		2	70.00	0.45	0.15	9.45		
	1st A Cross		2	33.00	0.45	0.15	4.46		
	1st B Cross		2	33.00	0.45	0.15	4.46		
	1st Main Road		2	35.00	0.45	0.15	4.73		
	6th Cross Dasarahalli Main Road		2	60.00	0.45	0.15	8.10		
							298.02	**1582.58**	**471640.49**
3	KSSRB M600-1 Construction Of **dry lean cement concrete mix CC1:5:10** With OPC cement @160kgs,with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum sub-base over a prepared sub-grade with (course and fine aggregate conferming to IS:383) aggregate cement ratio not to exceed 15:1. Aggregate gardation after blending to br as per Table 600-1, cement content not to be less than 160kg/cum, optimum moisture content to be less than 10Mpa at 7days, mixxed in a batching plant, transported to site, laid with a paver with electronic sensor, comacting with 8-10 tonnes vibratory roller,finishing and curing complete asper Specification KSSRB:Page No 176, Item No 22.2 and 22.2.1								
	4th Cross	**Cum**	1	130.00	0.90	0.15	17.55		
	3rd Cross(Muthuraya Swamy Temple)		1	75.00	0.90	0.15	10.13		
	4thCross(Katumraya Swamy Temple)		1	72.00	0.90	0.15	9.72		
	5thCross(Katumraya Swamy Temple)		1	60.00	4.00	0.15	36.00		

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	8th Cross		1	90.00	0.90	0.15	12.15		
	9th Cross		1	60.00	0.90	0.15	8.10		
	9th A Cross		1	55.00	0.90	0.15	7.43		
	9th B Cross		1	55.00	0.90	0.15	7.43		
	10th Cross		1	70.00	0.90	0.15	9.45		
	1st A Cross		1	33.00	0.90	0.15	4.46		
	1st B Cross		1	33.00	0.90	0.15	4.46		
	1st Main Road		1	35.00	0.90	0.15	4.73		
	6th Cross Dasarahalli Main Road		1	60.00	0.90	0.15	8.10		
	4th Cross		2	130.00	0.45	0.10	11.70		
	3rd Cross(Muthuraya Swamy Temple)		2	75.00	0.45	0.10	6.75		
	4thCross(Katumraya Swamy Temple)		2	72.00	0.45	0.10	6.48		
	5thCross(Katumraya Swamy Temple)		2	60.00	0.45	0.10	5.40		
	8th Cross		2	90.00	0.45	0.10	8.10		
	9th Cross		2	60.00	0.45	0.10	5.40		
	9th A Cross		2	55.00	0.45	0.10	4.95		
	9th B Cross		2	55.00	0.45	0.10	4.95		
	10th Cross		2	70.00	0.45	0.10	6.30		
	1st A Cross		2	33.00	0.45	0.10	2.97		
	1st B Cross		2	33.00	0.45	0.10	2.97		
	1st Main Road		2	35.00	0.45	0.10	3.15		
	6th Cross Dasarahalli Main Road		2	60.00	0.45	0.10	5.40		
							214.20	**3986.66**	**853942.57**
4	Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) & spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, including curing, finishing to lines and grades as per drawing complete as per specifications.**M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) Page o 177 Item No 22.6.1**									
	4th Cross	**Cum**	1	130.00	4.20	0.15	81.90		
	3rd Cross(Muthuraya Swamy Temple)		1	75.00	4.20	0.15	47.25		
	4thCross(Katumraya Swamy Temple)		1	72.00	4.00	0.15	43.20		
	5thCross(Katumraya Swamy Temple)		1	60.00	4.00	0.15	36.00		
	8th Cross		1	90.00	2.00	0.15	27.00		
	9th Cross		1	60.00	4.00	0.15	36.00		
	9th A Cross		1	55.00	4.00	0.15	33.00		
	9th B Cross		1	55.00	4.00	0.15	33.00		
	10th Cross		1	70.00	4.00	0.15	42.00		
	1st A Cross		1	33.00	4.00	0.15	19.80		
	1st B Cross		1	33.00	4.00	0.15	19.80		
	1st Main Road		1	35.00	4.00	0.15	21.00		
	6th Cross Dasarahalli Main Road		1	60.00	4.00	0.15	36.00		
							475.95	**6217.96**	**2959438.06**

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5	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. for concrete pavement Page No.178/ Item No.22.8, 22.8.1/ PWD SR 2016-17								
	4th Cross	**Rmt**	1	13.00	4.20		54.60		
	3rd Cross(Muthuraya Swamy Temple)		1	7.00	4.20		29.40		
	4thCross(Katumraya Swamy Temple)		1	7.00	4.00		28.00		
	5thCross(Katumraya Swamy Temple)		1	6.00	4.00		24.00		
	8th Cross		1	9.00	2.00		18.00		
	9th Cross		1	6.00	4.00		24.00		
	9th A Cross		1	5.00	4.00		20.00		
	9th B Cross		1	5.00	4.00		20.00		
	10th Cross		1	7.00	4.00		28.00		
	1st A Cross		1	3.00	4.00		12.00		
	1st B Cross		1	3.00	4.00		12.00		
	1st Main Road		1	4.00	4.00		16.00		
	6th Cross Dasarahalli Main Road		1	4.00	4.00		16.00		
							302.00	**121.90**	**36813.80**
6	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.								
	Missing Slabs	**Sqm**	125	0.60		0.75	56.25		
							56.25	**1680.00**	**94500.00**
							Sub Total		**4586702.93**
7	**Miscellaneous and Other Charges**								**412803.26**
8	**Rounding off**								**493.80**
							Grand Total		**5000000.00**
	(Rupees Fifty Lakhs Only)								

CERTIFICATE

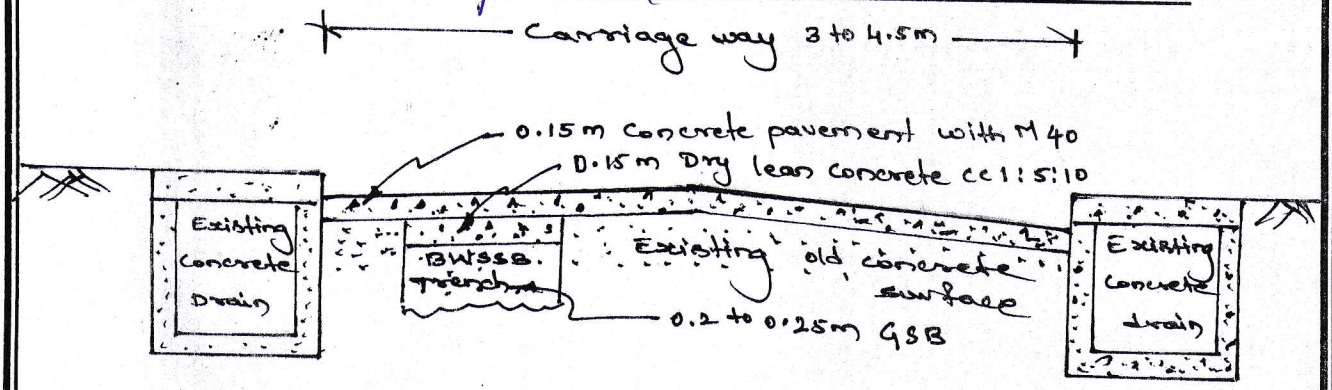
1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2016-17
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.
5 This work is not included in any other estimate.

Asst Engineer Ward No-13	**Asst Executive Engineer** Shettyhalli Sub-Division BBMP	**Executive Engineer** Dasarahalli Zone BBMP

ನಂ. JC/D/AS/PR/100/16-17 ದಿನಾಂಕ : 23/3/17
ರೂ. ಐವತ್ತು ಲಕ್ಷಗಳು ಮಾತ್ರ
Rs. Fifty lakhs Only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಜಂಟಿ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/TS/11/17-18 ದಿನಾಂಕ : 13/04/2017
ರೂ. ಐವತ್ತು ಲಕ್ಷಗಳು ಮಾತ್ರ
Rs. fifty lakhs only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ವಲಯ

Name of Work Improvements of CC Roads in 3rd, 4th 5th, 6th & 7th cross Near Bylappa Circle at Prashanth Nagar in Ward No. 13, Shettyhalli Sub-division.



Typical c/s of cc Road Surface

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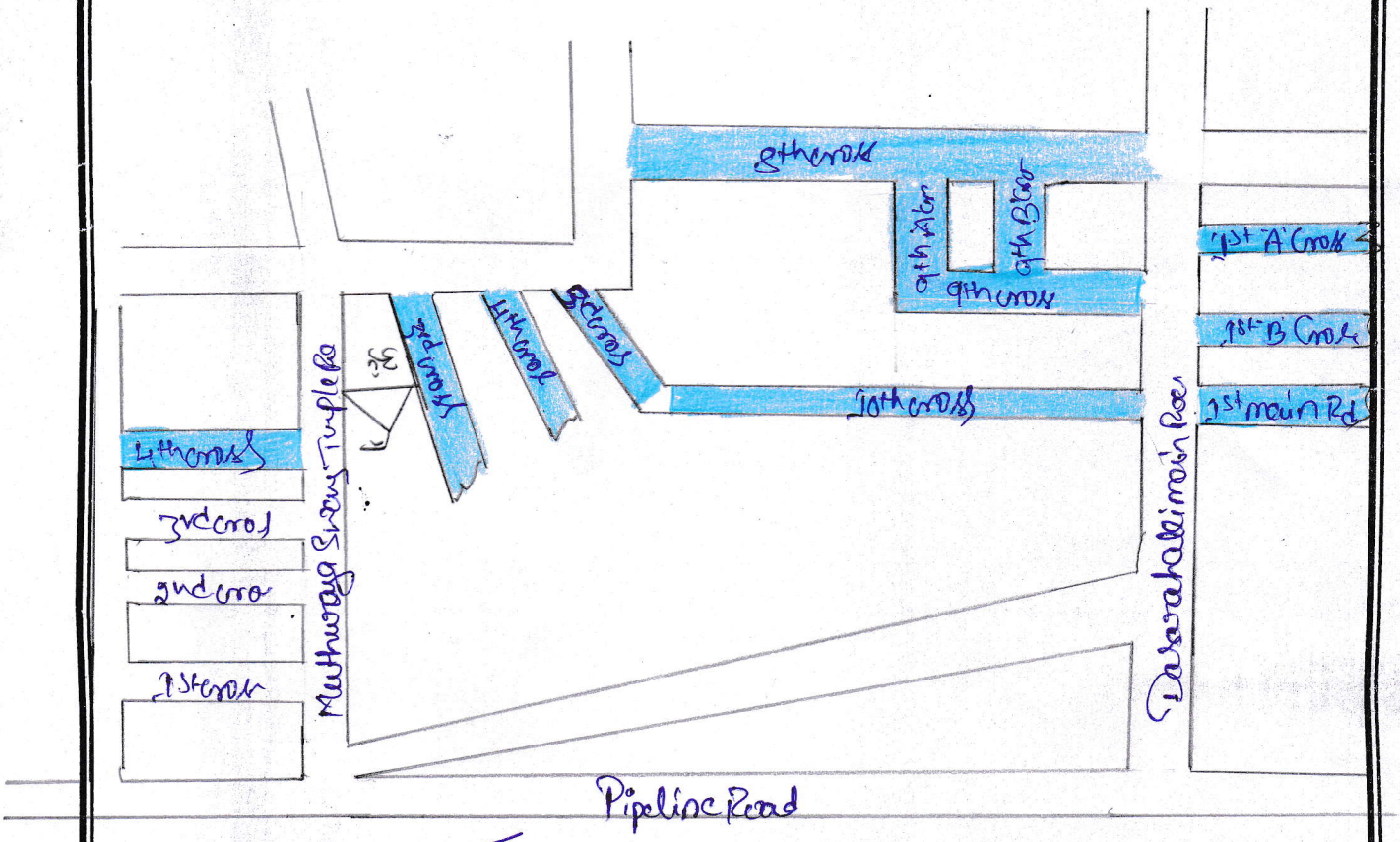

Asst.Engineer
Ward No.13

Asst.Executive Engineer
Shettyhalli Sub Division, Dasarahalli Zone
BBMP Bangalore.